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**Amendments to the Claims**

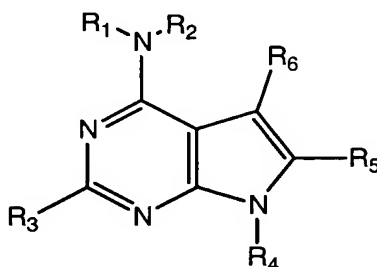
Please cancel claims 1-4, 6-10, 13-21 and 24-186 without disclaimer or prejudice to applicants' right to pursue the subject matter of these claims in this or a related application.

Please amend claims 5, 11, 12, 22 and 23 and add new claims 187-189 under the provisions of 37 C.F.R. §1.121, as set forth in the Federal Register on June 30, 2003, as follows:

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Claims 1-4. (Canceled)

5. (Currently Amended) ~~The method of claim 1, wherein said N-6 substituted 7-deazapurine~~  
A method for treating a disease or condition associated with increased levels of adenosine in a  
subject, which comprises administering to the subject a therapeutically effective amount of an  
N-6 substituted 7-deazapurine so as to thereby treat the disease or condition associated with  
increased levels of adenosine in the subject, wherein said N-6 substituted 7-deazapurine has the  
formula I:



(I)

wherein,

~~R<sub>1</sub> and R<sub>2</sub> are each independently a hydrogen atom, or a substituted or unsubstituted alkyl, aryl,~~  
~~or alkylaryl moiety or~~

R<sub>1</sub> and R<sub>2</sub> together form a substituted or unsubstituted heterocyclic ring;

~~R<sub>3</sub> is a hydrogen atom or a substituted or unsubstituted alkyl, aryl, or alkylaryl moiety;~~

~~R<sub>4</sub> is a hydrogen atom, or a substituted or an unsubstituted alkyl, or a substituted or~~  
unsubstituted aryl, or alkylaryl moiety; and

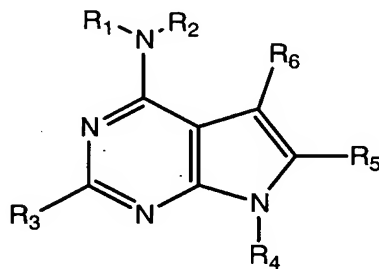
~~R<sub>5</sub> and R<sub>6</sub> are each independently a halogen atom, a hydrogen atom or a substituted or~~  
~~unsubstituted alkyl, aryl, or alkylaryl moiety, or R<sub>4</sub> and R<sub>5</sub> or R<sub>5</sub> and R<sub>6</sub> together form a~~  
~~substituted heterocyclic or carbocyclic ring.~~

wherein the disease or condition associated with increased levels of adenosine in the subject  
is mast cell degranulation, neutrophil chemotaxis, Parkinson's disease, sedation, asthma, cerebral  
ischemia, antidiuresis, allergic rhinitis, bronchitis, bronchoconstriction, chronic obstructive  
pulmonary disease, or glaucoma.

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Claims 6-10. (Canceled)

11. (Currently Amended) An N-6 substituted 7-deazapurine having the formula I:



wherein,

~~R<sub>1</sub> and R<sub>2</sub> are each independently a hydrogen atom, or a substituted or unsubstituted alkyl, aryl, or alkylaryl moiety or~~

~~R<sub>1</sub> and R<sub>2</sub> together form a substituted or unsubstituted heterocyclic ring, provided that both R<sub>1</sub> and R<sub>2</sub> are both not hydrogen atoms or that neither R<sub>1</sub> or R<sub>2</sub> is 1-phenylethyl;~~

~~R<sub>3</sub> is a hydrogen atom or a substituted or unsubstituted alkyl, aryl, or alkylaryl moiety;~~

~~R<sub>4</sub> is a hydrogen atom, or a substituted or an unsubstituted alkyl, or a substituted or unsubstituted aryl, or alkylaryl moiety; and~~

~~R<sub>5</sub> and R<sub>6</sub> are each independently a halogen atom, a hydrogen atom or a substituted or unsubstituted alkyl, aryl, or alkylaryl moiety, or R<sub>4</sub> and R<sub>5</sub> or R<sub>5</sub> and R<sub>6</sub> together form a substituted heterocyclic or carbocyclic ring, provided R<sub>4</sub> is not 1-phenylethyl, and or a pharmaceutically acceptable salts salt thereof.~~

12. (Currently Amended) A deazapurine of claim 11, wherein:

~~R<sub>1</sub> is hydrogen;~~

~~R<sub>2</sub> is substituted or unsubstituted cycloalkyl, substituted or unsubstituted alkyl, or R<sub>1</sub> and R<sub>2</sub> together form a substituted or unsubstituted heterocyclic ring;~~

~~R<sub>3</sub> is unsubstituted or substituted aryl;~~

~~R<sub>4</sub> is hydrogen; and~~

~~R<sub>5</sub> and R<sub>6</sub> are each independently hydrogen or alkyl, and or a pharmaceutically acceptable salts salt thereof.~~

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Claims 13-21. (Canceled)

22. (Currently Amended) The deazapurine of ~~claim 21~~ claim 12, wherein said heterocyclic ring is substituted with an amine.

23. (Currently Amended) The deazapurine of ~~claim 21~~ claim 12, wherein said heterocyclic ring is substituted with acetamido.

Claims 24-186. (Canceled)

187. (New) The deazapurine of claim 11, wherein any substituent, if present, is halogen, hydroxyl, alkylcarbonyloxy, arylcarbonyloxy, alkoxycarbonyloxy, aryloxy carbonyloxy, carboxylate, alkylcarbonyl, alkoxycarbonyl, aminocarbonyl, alkylthiocarbonyl, alkoxyl, phosphate, phosphonate, phosphinato, cyano, amino, alkyl amino, dialkylamino, arylamino, diarylamino, alkylaryl amino, acylamino, alkylcarbonylamino, arylcarbonylamino, carbamoyl, ureido, amidino, imino, sulfhydryl, alkylthio, arylthio, thiocarboxylate, sulfates, sulfonate, sulfamoyl, sulfonamido, nitro, trifluoromethyl, cyano, azido, heterocyclyl, alkylaryl, or an aromatic or heteroaromatic moiety;

which substituent may be further substituted by any of the above.

188. (New) The deazapurine of claim 187, wherein any substituent, if present, is halogen, hydroxyl, alkylcarbonyloxy, alkoxycarbonyloxy, carboxylate, alkylcarbonyl, alkoxycarbonyl, aminocarbonyl, alkylthiocarbonyl, alkoxyl, amino, alkylamino, dialkylamino, acylamino, alkylcarbonylamino, arylcarbonylamino, carbamoyl, ureido, amidino, imino, nitro, heterocyclyl, alkylaryl, or an aromatic or heteroaromatic moiety;

which substituent may be further substituted by any of the above.

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189. (New) The deazapurine of claim 188, wherein the substituent is halogen, hydroxyl, alkylcarbonyloxy, alkoxycarbonyloxy, carboxylate, alkylcarbonyl, alkoxycarbonyl, aminocarbonyl, alkylthiocarbonyl, alkoxyl, amino, alkylamino, dialkylamino, acylamino, alkylcarbonylamino, arylcarbonylamino, carbamoyl, ureido, amidino, imino, nitro, heterocyclyl or a heteroaromatic moiety; which substituent may be further substituted by any of the above.